

5 WHAT IS CLAIMED IS:

1. A polypeptide having an amino acid sequence which is a fragment of the continuous collagenous region of the major triple helical domain of the $\alpha 1$ chain of type IV collagen, wherein the polypeptide is in the all D-form.
2. The polypeptide of claim 1 wherein the amino acid sequence corresponds substantially to amino acid residues 1263 through 1277 of the continuous collagenous region of the major triple helical domain of the $\alpha 1$ chain of type IV collagen.
3. The polypeptide of claim 2 having 15 amino acid residues in the D-form where appropriate.
4. The polypeptide of claim 3 having the sequence gly-val-lys-gly-asn-pro-gly-trp-pro-gly-ala-pro.
5. The polypeptide of claim 1 further comprising a cytotoxic agent covalently bonded thereto.
6. The polypeptide of claim 1 which inhibits binding of tumor cells to type IV collagen.
7. The polypeptide of claim 1 which inhibits tumor cell invasion into basement membranes.
8. The polypeptide of claim 1 which inhibits tumor cell metastasis.
9. A peptide-conjugate comprising a polypeptide fragment of the continuous collagenous region of the major triple helical domain of the

- 5 α 1 chain of type IV collagen covalently bonded to a non-peptide moiety.
10. The peptide-conjugate of claim 9 wherein the polypeptide fragment is in the all D-form.
- 10 11. The peptide-conjugate of claim 9 wherein the polypeptide fragment is in the all L-form.
12. The peptide-conjugate of claim 9 wherein the amino acid sequence of the polypeptide fragment corresponds substantially to amino acid residues
- 15 1263 through 1277 of the continuous collagenous region of the major triple helical domain of the α 1 chain of type IV collagen.
13. The peptide-conjugate of claim 12 having 15 amino acid residues in the D-form where appropriate.
- 20 14. The peptide-conjugate of claim 13 having the sequence gly-val-lys-gly-asp-lys-gly-asn-pro-gly-trp-pro-gly-ala-pro.
- 25 15. The peptide-conjugate of claim 9 further comprising a cytotoxic agent covalently bonded thereto.
16. A method of inhibiting tumor cell binding to type IV collagen comprising contacting the tumor cell with a polypeptide of claim 1 or a peptide-conjugate of claim 9.
- 30 17. A method of inhibiting tumor cell invasion of a basement membrane comprising modulating the tumor cell with a polypeptide of claim 1 or a peptide-conjugate of claim 9.
- 35 18. A method of inhibiting tumor cell metastasis comprising modulating the

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- 5 tumor cell with a polypeptide of claim 1 or a peptide-conjugate of claim 9.

Sub A2 19. The method of any of claims 16-18 which is carried out *in vivo*.

add A3

add D3

add F8

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